

16. The heparin cofactor II-containing preparation of claim 13, which is substantially free of an infective virus.

17. The heparin cofactor II-containing preparation of claim 14, which is substantially free of an infective virus.

(Amended) according to claim 12 for producing
18. A production method of a heparin cofactor II-containing preparation substantially free of a degrading factor, comprising a step of separating heparin cofactor II and a degrading factor from a solution containing the heparin cofactor II and the degrading factor, to obtain the heparin cofactor II-containing preparation substantially free of the degrading factor.

19. The method of claim 18, wherein the step comprises one or more treatment(s) selected from the group consisting of hydrophobic chromatography, fractionation by a water soluble polymer, salting out and affinity chromatography using a basic amino acid as a ligand.

20. The method of claim 18, further comprising a step for removing degraded heparin cofactor II.

21. The method of claim 19, further comprising a step for removing degraded heparin cofactor II.

22. The method of claim 20, wherein the step is gel filtration chromatography.

23. The method of claim 21, wherein the step is gel filtration chromatography.

24. The method of claim 18, further comprising at least one step for virus removal or virus inactivation, which is selected from the group consisting of filtration, a heating treatment and a surfactant treatment. ~